

Play: 4409 Spraberry-Dean

Province: 44 Permian Basin

Geologist: Ball, M.M.

Status: confirmed

Play Attributes:

Probability of Occurrence

Charge	1.00
Reservoir rock	1.00
Traps	1.00
Play Probability	1.00

Size of Undiscovered Accumulations (>1 MMBOE) (Conditional):

Oil Accumulations Gas Accumulations

Median	10	MMBO	BCFG
F5 of Largest Accumulat	40	MMBO	BCFG
TSP Shape Factor	1		
Mean (calculated)	13.0	MMBO	BCFG

Number of Undiscovered Accumulations (>1 MMBOE) (Conditional):

Oil Accumulations Gas Accumulations

Minimum	2	0
Median	4	0
Maximum	10	0
Mean (calculated)	4.9	0.0

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Ratio of Associated-Dissolved Gas to Oil: 2,600 CFG/bbl

Ratio of NGL to Non-Associated Gas: bbl/MMCF

Ratio of NGL to Associated-Dissolved Gas: 150 bbl/MMCF

API Gravity (degrees):	<u>minimum</u>	<u>mean</u>	<u>maximum</u>
	32.0	39.0	48.0

Depth of Oil Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
	5,500	8,100	9,500

Depth of N-A Gas Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
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Status: confirmed

Oil (MMBO)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
1.80	5.40	21.10	42.10	72.80	121.60	154.60	63.20	38.30

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
0.70	2.11	8.23	16.42	28.39	47.42	60.29	24.60	14.94

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
4.68	14.04	54.86	109.46	189.28	316.16	401.96	164.20	99.58

[illegible]